

AMENDMENTS TO THE CLAIMS:

The listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1-25. (Canceled)

26. (Currently Amended) A catheter assembly comprising:

a control handle;

an inner catheter member having a proximal end and a distal end and further including a distal mounting portion adapted to have a medical device mounted thereon, a proximal portion having a proximal end attached to the control handle, and a guide wire receiving member having a proximal end and a distal end and being configured for receiving a guide wire, the proximal end of the guide wire receiving member being attached to spaced apart from the proximal portion end of the inner catheter member, the guide wire receiving member further including having a proximal end with an opening at the proximal end and a distal end with an opening at the distal end [,] and a lumen extending between these openings formed on the distal and proximal ends of the guide wire receiving member; and

an outer catheter member co-axially disposed over the inner catheter member and dimensioned for relative axial movement relative to each other, the outer catheter member being comprised of multiple portions, wherein the outer catheter member includes having a distal portion having a proximal end and a distal end, the distal portion being adapted to at least partially cover the medical device, the distal portion having an inner surface which directly contacts the medical device, and an outer surface, the distal portion being made from a layer of polyimide which forms the inner surface and a layer

of nylon to form the outer surface and a continuous direct bond joining the layer of polyimide to the layer of nylon, the outer catheter member having a an intermediate portion having a distal end and a proximal end, the distal end of the intermediate portion coupled to the proximal end of the distal portion, and a proximal outer member having a proximal end and a distal end, the proximal end of the proximal outer member being attached to the control handle and a the distal end of the proximal outer portion being coupled to the proximal end of the intermediate portion, wherein the proximal end of the guide wire receiving member is received in an opening formed at the proximal end of the intermediate portion of the outer catheter member[,] the outer catheter member being movable by the control handle to uncover the medical device, the outer catheter member including a proximal portion having a lumen for receiving at least a portion of the inner catheter member and an intermediate portion having a lumen through which the guide wire receiving member extends and a guide wire exit opening formed proximal to the distal end of the outer member.

27. (Currently Amended) The catheter assembly of claim 26, wherein the intermediate portion of the outer catheter member includes a lumen and the proximal end of the guide wire receiving member is slidably disposed within the this lumen of the intermediate portion of the outer catheter member.

28. (Currently Amended) The catheter assembly of claim 26 27 wherein the distal mounting portion of the inner catheter member has a lumen extending therethrough and a portion of the guide wire member extends through this lumen.

29. (Previously Presented) The catheter assembly of claim 28 wherein the portion of the guide wire receiving member extending through the lumen of the distal mounting portion is secured to the wall forming the lumen.

30. (Previously Presented) The catheter assembly of claim 28 wherein the portion of the guide wire receiving member which does not extend through the lumen of

the distal mounting portion is slidably disposed within the lumen of the intermediate portion of the outer catheter member.

31. (Cancel)

32. (Currently Amended) The catheter assembly of claim 34 27 wherein a portion of the guide wire receiving member is housed in the lumen of the intermediate portion.

33. (Previously Presented) The catheter assembly of claim 26 wherein the intermediate portion of the outer catheter member is made from a material which is more flexible than the material forming the proximal portion of the outer catheter member.

34. (Previously Presented) The catheter assembly of claim 26 wherein the proximal portion of the inner catheter member is made from a hypotube.

35-46. (Cancel)

47. (New) A catheter assembly comprising:

a control handle;

a medical device;

an inner catheter member having a proximal end and a distal end and further including a distal mounting portion upon which the medical device is mounted, the proximal end being coupled to the control handle, a guide wire receiving member for receiving a guide wire, the guide wire receiving member having a proximal end, a distal end and a lumen for receiving the guide wire, the proximal end of the guide wire receiving member being spaced apart from the proximal end of the inner catheter; and

an outer catheter member coupled to the control handle and co-axially disposed over the inner catheter member and dimensioned for relative axial movement relative to each other, the outer catheter member comprising:

a distal portion having a proximal end, a distal end and lumen extending therethrough, the distal portion being adapted to at least partially cover the medical device and having an inner surface which directly contacts the medical device;

an intermediate portion made from a tubular member having a proximal end, a distal end and a lumen extending therethrough, the proximal end of the distal portion being coupled to the distal end of the intermediate portion;

a proximal portion made from a tubular member having a proximal end, a distal end, the diameter of the intermediate portion being greater than the diameter near the distal end of the proximal portion, the distal end of the proximal portion being attached to the proximal end of the intermediate portion; and

a passage formed at the area of attachment of the proximal portion to the intermediate portion, the passage allowing a guide wire to pass through to enter the lumen of the guide wire receiving member.

48. (New) The catheter assembly of claim 47 wherein the proximal end of the guide wire receiving member has an opening to the lumen of the guide wire receiving member and the proximal end of the guide wire receiving member extends into the passage formed on the outer catheter member.

49. (New) The catheter assembly of claim 47 wherein the distal mounting portion includes a tubular member having a proximal end and a distal end and a lumen extending therethrough.

50. (New) The catheter assembly of claim 49 wherein at least a portion of the guide wire receiving member extends through the lumen of tubular member of the distal mounting portion.

51. (New) The catheter assembly of claim 50 wherein the inner catheter member includes a proximal portion having a proximal end and a distal end, the distal

end of the proximal portion being coupled to the tubular member of the distal mounting portion.

52. (New) The catheter assembly of claim 51 wherein the proximal portion of the inner catheter member is an elongate component.

53. (New) The catheter assembly of claim 52 wherein the elongate component is a length of hypotube.

54. (New) The catheter assembly of claim 53 wherein the proximal portion of the outer catheter member includes a lumen and the proximal portion of the inner catheter member extends through this lumen.

55. (New) The catheter assembly of claim 54 wherein the proximal portion of the inner catheter member is slidable within the lumen of the proximal portion of the outer catheter member.

56. (New) The catheter assembly of claim 47 wherein the guide wire receiving member defines a distal portion and a proximal portion, at least a portion of the proximal portion of the guide wire receiving member extending through the lumen of the intermediate member.

57. (New) The catheter assembly of claim 56 wherein the proximal portion of the guide wire receiving member is slidable within the lumen of the intermediate member.

58. (New) The catheter assembly of claim 47 wherein the proximal end of the guide wire receiving member has an opening to the lumen of the guide wire receiving member and the opening of the proximal end of the guide wire receiving member aligns with the passage formed on the outer catheter member.

59. (New) The catheter assembly of claim 58 wherein the guide wire receiving member has a distal portion and a proximal portion, at least a portion of the proximal

portion of the guide wire receiving member extending through the lumen of the intermediate member.

60. (New) The catheter assembly of claim 59 wherein the proximal portion of the guide wire receiving member is slidible within the lumen of the intermediate member.

61. (New) The catheter assembly of claim 47 wherein the distal end of the proximal portion extends into and is attached within the lumen of the intermediate portion of the outer catheter member.

62. (New) The catheter assembly of claim 47 wherein the entire length of the proximal portion of the outer catheter has a smaller diameter than the intermediate portion.

63. (New) The catheter assembly of claim 47 wherein the tubular member forming the distal end portion of the proximal portion has a tapered diameter.

64. (New) The catheter assembly of claim 63 wherein the tapered portion of the proximal portion and the proximal end of the intermediate portion cooperate to form the passage for the guide wire.

65. (New) The catheter assembly of claim 64 wherein the proximal end of the guide wire receiving member is bent to fit within the passage formed on the outer catheter member.